

WHAT IS CLAIMED IS:

1. A measure system for linear planar stepping motor, comprising:
 - a magnetic sensor, which is used to measure flux density on stator of a linear planar stepping motor, so as to obtain precise position feedback;
 - a residual magnetic field stable device, which is provided on the outer periphery of the magnetic sensor, so as to enable the magnetic sensor to measure accurate position of the stator with the measured variation of the magnetic flux density.
2. The measure system for linear planar stepping motor as claimed in claim 1, wherein the residual magnetic field stable device surrounds the outer periphery of the magnetic sensor.
3. The measure system for linear planar stepping motor as claimed in claim 1, wherein the residual magnetic field stable device has N pole and S pole.
4. The measure system for linear planar stepping motor as claimed in claim 3, wherein the N pole and the S pole of the residual magnetic field stable device are formed by permanent magnet, inner cover and outer covers with good magnetic inductivity.
5. The measure system for linear planar stepping motor as claimed in claim 3, wherein the N pole and the S pole of the residual magnetic field stable device are formed by electrical magnet, inner cover and outer covers with good magnetic inductivity.

6. The measure system for linear planar stepping motor as claimed in claim 3, wherein the residual magnetic field on the stator of the linear planar stepping motor is magnetized nearly to saturation state.